

Listing of Claims:

1-48. *(canceled)*

49. *(Currently amended)* A method for increasing the sialic acid content of a protein produced by CHO cells comprising culturing the CHO cells in a medium comprising mannose, galactose, fructose, and N-acetylmannosamine, wherein culturing the CHO cells in the medium can increase the sialylation of a protein produced by the CHO cells.

50. *(Previously presented)* The method of claim 49, wherein the medium is serum free.

51. *(Previously presented)* The method of claim 49, wherein the CHO cells are cultured in the medium during a production phase.

52. *(Previously presented)* The method of claim 49, wherein the concentrations of galactose, mannose, and fructose in the medium are each from about 1 mM to about 10 mM and the concentration of N-acetylmannosamine in the medium is at least about 0.8 mM.

53. *(Previously presented)* The method of claim 49, wherein the concentrations of galactose, mannose, and fructose in the medium are each from about 1.5 mM to about 4.5 mM.

54. *(Previously presented)* The method of claim 49, wherein the protein is a secreted, recombinant protein.

55. *(Previously presented)* The method of claim 49, wherein the CHO cells are cultured at a temperature from about 29°C to about 36°C.

56-60. *(Canceled)*

61. *(Currently amended)* A method for increasing the sialic acid content of a protein produced by CHO cells comprising culturing the CHO cells in a medium comprising galactose and N-acetylmannosamine, wherein culturing the CHO cells in the medium can increase the sialylation of a protein produced by the CHO cells.

62. *(Previously presented)* The method of claim 61, wherein the medium is serum free.

63. *(Previously presented)* The method of claim 61, wherein the CHO cells are cultured in the medium during a production phase.

64. *(Previously presented)* The method of claim 61, wherein the concentration of galactose in the medium, is from about 1 mM to about 10 mM and the concentration of N-acetylmannosamine in the medium is at least about 0.8 mM.

65. *(Previously presented)* The method of claim 61, wherein the concentration of galactose in the medium, is from about 1.5 mM to about 4.5 mM.

66. *(Previously presented)* The method of claim 61, wherein the protein is a secreted, recombinant protein.

67. *(Previously presented)* The method of claim 61, wherein the CHO cells are cultured at a temperature from about 29°C to about 36°C.

68-96. *(Canceled)*

97. *(Currently amended)* A method for increasing the sialic acid content of a protein produced by CHO cells comprising culturing the CHO cells in a medium comprising mannose, fructose, and galactose, wherein culturing the CHO cells in the medium can increase the sialylation of a protein produced by the CHO cells.

98. *(Previously presented)* The method of claim 97, wherein the medium is serum free.

99. *(Previously presented)* The method of claim 97, wherein the CHO cells are cultured in the medium during a production phase.

100. *(Previously presented)* The method of claim 97, wherein the concentrations of galactose, mannose, and fructose in the medium are each from about 1 mM to about 10 mM.

101. *(Previously presented)* The method of claim 100, wherein the concentrations of galactose, mannose, and fructose in the medium are each from about 1.5 mM to about 4.5 mM.

102. *(Previously presented)* The method of claim 97, wherein the protein is a secreted, recombinant protein.

103. *(Previously presented)* The method of claim 97, wherein the CHO cells are cultured at a temperature from about 29°C to about 36°C.

104-108. *(Canceled)*

109. *(Currently amended)* A method for increasing the sialic acid content of a protein produced by CHO cells comprising culturing the CHO cells in a medium

comprising fructose and galactose, wherein culturing the CHO cells in the medium can increase the sialylation of a protein produced by the CHO cells.

110. *(Previously presented)* The method of claim 109, wherein the medium is serum free.

111. *(Previously presented)* The method of claim 109, wherein the CHO cells are cultured in the medium during a production phase.

112. *(Previously presented)* The method of claim 109, wherein the concentrations of galactose and fructose in the medium are each from about 1 mM to about 10 mM.

113. *(Previously presented)* The method of claim 112, wherein the concentrations of galactose and fructose in the medium are each from about 1.5 mM to about 4.5 mM.

114. *(Previously presented)* The method of claim 109, wherein the protein is a secreted, recombinant protein.

115. *(Previously presented)* The method of claim 109, wherein the CHO cells are cultured at a temperature from about 29°C to about 36°C.